

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1 of 2

**Complete if Known**

Application Number	09/888,017
Filing Date	June 21, 2001
First Named Inventor	Craig L. Stevens
Group Art Unit	1763
Examiner Name	Karla A. Moore

Attorney Docket Number 10001.000500 (NVLS 387)

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	A8	US-3,202,406	Aug. 24, 1965	Tack	
	A9	US-4,220,899	Sept. 2, 1980	Von Der Heide	
	A10	US-4,560,911	Dec. 24, 1985	Chitayat	
	A11	US-4,604,020	Aug. 5, 1986	Toro Lira, et al.	
	A12	US-4,604,027	Aug. 5, 1986	Becker, et al.	
	A13	US-4,619,573	Oct. 28, 1986	Rathman, et al.	
	A14	US-5,229,669	Jul. 20, 1993	Takei	
	A15	US-5,344,542	Sept. 6, 1994	Maher, et al.	
	A16	US-5,833,426	Nov. 10, 1998	Marohl	
	A17	US-5,876,556	Mar. 2, 1999	Takanami	
	A18	US-6,271,606	Aug. 7, 2001	Hazelton	
	A19	US-6,305,895	Oct. 23, 2001	Ozawa	
	US-				

RECEIVED  
APR 25 2003  
GROUP 1703

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	A20	FR 2 766 028 A1	01-15-1999	Ecole Nationale Superieure Des		
	A21	JP 410178083A	06-30-1998	Kokusai Electric CO LTD		

Examiner Signature

KARLA MOORE

Date Considered

01/8/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08B(10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known	
Application Number	09/888,017
Filing Date	June 21, 2001
First Named Inventor	Craig L. Stevens
Group Art Unit	1763
Examiner Name	Karla A. Moore
Attorney Docket Number	10001.000500 (NVLS 387)

## **OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

**Examiner  
Signature**

Kapitel Mode

Date  
Considered

180

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

of | 2

<i>Complete if Known</i>	
Application Number	09/888,017
Filing Date	June 21, 2001
First Named Inventor	Craig L. Stevens
Group Art Unit	1763
Examiner Name	Karla A. Moore
Attorney Docket Number	10001.000500 (NVLS 387)

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**Examiner  
Signature**

CAPIA MOOPE

**Date Considered**

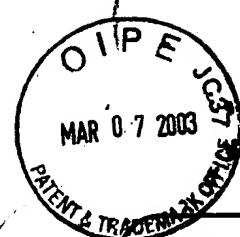
5/18/03

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Applicant's unique citation designation number (optional). See Rule 16(2)(c) of the Rules of Practice.  
<sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).  
<sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.  
<sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.  
<sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



MAR 07 2003

PTO/SB/08B(10-01)

Approved for use through 10/31/2002. OMB 0651-0031

Approved for use through 10-31-2011  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
to respond to a collection of information unless it contains a valid OMB control number

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

of | 2

<i>Complete if Known</i>	
Application Number	09/888,017
Filing Date	June 21, 2001
First Named Inventor	Craig L. Stevens
Group Art Unit	1763
Examiner Name	Karla A. Moore
Attorney Docket Number	10001.000500 (NVLS 387)

## **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

OTHER PRIOR ART - CONTINUED		
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
 <b>RECEIVED</b> MAR 18 2003 TC 1700		

**Examiner  
Signature**

KAPLA MOOPE

Date  
Considered

98103

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.